

* NOTICES *

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] The electric block diagram of this invention

[Description of Notations]

- 1 Main CPU
- 2 Factive CPU
- 3 ROM
- 4 RAM
- 5 NIKADDO Cell
- 6 Lithium Cell
- 7 Full Dot Matrix LCD
- 8 Clock Transmitter
- 9 High Frequency Module Interface
- 10 High Frequency Module
- 11 Antenna
- 12 Ten Key
- 13 Electronic Buzzer
- 14 Calender
- 15 Bar Code Interface
- 16 Optical-Communication Adapter
- 17 RS-232C Interface
- 18 E2PROM
- 19 LED Back Light
- 20 LED for Display
- 21 Clock Transmitter

[Translation done.]

Maine CPU 1 goes into sleeping. Maine CPU 1 and a factice CPU 2 repeat the above actuation.

[0009]

[Effect of the Invention] When Maine CPU was made into sleeping in the condition of wait operation in this invention as explained above, and it corresponded as Factice CPU, power consumption has reduced about to 1/5. Since transfer speed is quick, if data communication has Maine CPU in sleeping, a data omission may be started, but since Maine CPU is made into sleeping and can be set, reduction of power consumption can be performed until data will come, if data communication is possible as Factice CPU.

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CLAIMS

[Claim(s)]

[Claim 1] It is the input unit which has the factice CPU controlled by Maine CPU which controls the basic configuration of a computer, and this Maine CPU, and is characterized by said Maine CPU making Maine CPU sleeping at the time of actuation of Factice CPU.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] This invention relates to the power consumption reduction at the times of the key input waiting of a handy terminal, bar code input waiting, and a communication link condition waiting state.

[0002]

[Description of the Prior Art] In the conventional handy terminal, there were usually many conditions of the waiting for an information input, and CPU made CPU sleeping for needlessness of operation, and was aiming at reduction of power consumption.

[0003]

[Problem(s) to be Solved by the Invention] Returning to operating state from sleeping of CPU of the conventional handy terminal mentioned above took time amount, and since it operated also by the outpatient department noise, the power consumption of a cell was useless.

[0004]

[Means for Solving the Problem] This invention was made in view of the conventional trouble mentioned above, it has the factice CPU controlled by Maine CPU which controls the basic configuration of a computer, and this Maine CPU, and said Maine CPU proposes the input unit which makes Maine CPU sleeping at the time of actuation of Factice CPU.

[0005]

[Function] In this invention, when an input unit is in the condition of the waiting for an input, a high speed CPU (Maine CPU) does not operate by sleeping, but operates a low speed CPU (factice CPU), and processes the demand from circumference I/O. Since it can be transmitted as data established at the high speed CPU after it processes the demand from circumference I/O immediately and performs data processing, since a low speed CPU is not sleeping, it reduces power consumption.

[0006]

[Example] The detail of this invention is explained with reference to an accompanying drawing below. Drawing 1 is the electric block diagram of the handy terminal as an input device of this invention. The factice CPU 2 who performs control with a peripheral device is stationed in Maine CPU 1. The high frequency module interface 9 and antenna 11 with which Maine CPU 1 controls further ROM3 and RAM4 which constitute the base of a computer, a nickel cadmium cell 5, a lithium cell 6, LCD7 as an indicating equipment, the clock transmitter 8, and the high frequency module 10 are arranged.

[0007] A ten key 12, an electronic buzzer 13, a calender 14, the bar code interface 15, the optical-communication adapter 16, RS-232C interface 17, E2PROM18, and the LED20 grade are connected to the factice CPU 2.

[0008] If introduction and an operator input which key of a ten key 12, after a factice CPU 2 scans a key matrix and establishes data, a factice CPU 2 will start Maine CPU 1, data will be transmitted to Maine CPU 1, and a factice CPU 2 will go into sleeping. After Maine CPU 1 which received data performs data processing, and is completed according to an application program, and starting a factice CPU 2,

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EFFECT OF THE INVENTION

[Effect of the Invention] When Maine CPU was made into sleeping in the condition of wait operation in this invention as explained above, and it corresponded as Factice CPU, power consumption has reduced about to 1/5. Since transfer speed is quick, if data communication has Maine CPU in sleeping, a data omission may be started, but since Maine CPU is made into sleeping and can be set, reduction of power consumption can be performed until data will come, if data communication is possible as Factice CPU.

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] Returning to operating state from sleeping of CPU of the conventional handy terminal mentioned above took time amount, and since it operated also by the outpatient department noise, the power consumption of a cell was useless.

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